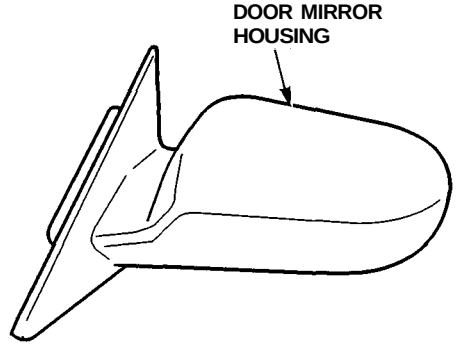
ABS/PC Resin Parts

General Information

The door mirror housing, license plate trim, and front grille are made from ABS resin.
They can be repaired if the damage or deformation is minor in nature. This section covers ABS repair. Repairing ABS is different from other resins such as PP and urethane.

NOTE:
- The ABS resin is the copolymer resin consisting of the three monomers of acrylonitrile, butadiene, and styrene.
- Polycarbonate is a generic name for high polymers which have the carbonic ester structure in the structural unit. The most prominent feature of polycarbonate is its tensile strength which shows the same level of yielding point as metals in the normal temperature. It also has outstanding impact strength compared to other plastics.



NOTE: The following repair procedures also apply to the door outer handle (PC).

Repair Materials

Examples:

Adhesive and filler: Epoxy

- Kemit TE2301 bond quick mender

Filler:

- R-M Stop zinc (R-M)
- 3M 5900 Repair Material (Akzo)

NOTE: Follow the manufacturer's specification.

Top coat:

- Super ponacle II, Solo de Diamont, Diamont (R-M)
- Autocryl Auto base (Akzo)
- Super Centari (DuPont)

Primer/Primer surfacer:
Use when the resin material is exposed.

- R-M fast filler + R-M flex primer (R-M)
- Plasto flex primer 2 coat (Akzo)
- 1220RH-S filler primer (DuPont)